

Converting Colors

XYZ(20.8147, 17.6647, 32.5066)

Have a look what the booklet for
XYZ(20.8147, 17.6647, 32.5066)
contains.

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Color

**XYZ(20.8955, 17.7589,
32.4635)**

Conversions

Conversions Part 1

Format	Color
Hex	876A99
RGB	135, 106, 153
RGB Percent	53%, 42%, 60%
CMY	0.4706, 0.5843, 0.4000
CMYK	0.12, 0.31, 0.00, 0.40
HSL	277°, 19%, 51%
HSV	277°, 31%, 60%
XYZ	20.8955, 17.7589, 32.4635
YIQ	120.0290, 2.1970, 20.7650

Conversions

Conversions Part 2

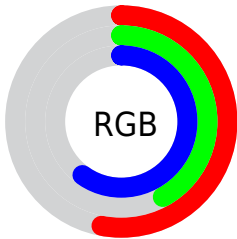
Format	Color
RYB	135, 106, 153
Decimal	8874649
CIELab	49.20, 20.72, -21.19
CIElCh	49, 29.642, 314.360
Yxy	17.7589, 0.2938, 0.2497
Android (android.graphics.Color)	4287064729 (0xFF876A99)
YUV	120.0290, 16.2547, 13.1296
Hunter-Lab	42.1413, 14.7608, -16.1751

Details

The XYZ color **20.8955, 17.7589, 32.4635** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **22.3055, 28.1086, 17.8864**, and the grayscale version is **17.8116, 18.7392, 20.4069**.

A 20% lighter version of the original color is **44.4756, 39.7775, 64.3652**, and **7.6576, 5.9167, 13.3088** is the 20% darker color. If you saturate the color by 10%, you get **18.5404, 14.4097, 31.9414**, and if you desaturate by 10%, it is **23.5850, 21.6990, 33.0825**.

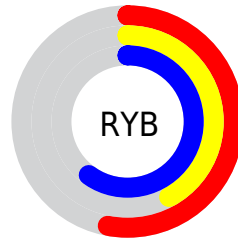
Distribution



Red (53%)

Green (42%)

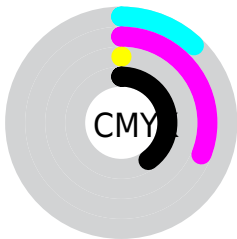
Blue (60%)



Red (53%)

Yellow (42%)

Blue (60%)

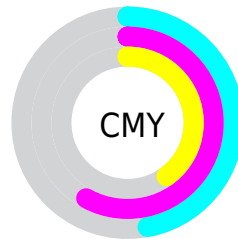


Cyan (12%)

Magenta (31%)

Yellow (0%)

Black (40%)



Cyan (47%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8955, 17.7589, 32.4635 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 20.8955, 17.7589, 32.4635 by changing the saturation by 10% instead.

■ 20.8955, 17.7589,
32.4635

■ 20.8955, 17.7589,
32.4635

249.4648,
239.5086, 327.7828

■ 13.1597, 10.7770,
21.4480

■ 44.4061, 39.6261,
64.6433

■ 7.6163, 5.9171,
13.2575

■ 60.9117, 55.2802,
86.6448

■ 3.9002, 2.7947,
7.4733

■ 81.0711, 74.5938,
113.1453

■ 1.6458, 1.0255,
3.6769

■ 105.2498, 97.9513,
144.5634

■ 0.4220, 0.0000,
1.4498

133.8132,
125.7372, 181.3177

■ 0.0000, 0.0000,
0.1801

167.1266,

■ 0.0000, 0.0000,

158.3357, 223.8267

0.0000

205.5554,
196.1314, 272.5088

■ 20.8955, 17.7589,
32.4635

■ 20.8955, 17.7589,
32.4635

■ 18.5404, 14.4097,
31.9414

■ 23.5850, 21.6990,
33.0825

■ 16.5021, 11.6187,
31.5102

■ 26.6218, 26.2559,
33.8021

■ 14.7641, 9.3537,
31.1646

■ 30.0202, 31.4566,
34.6268

■ 13.3073, 7.5778,
30.8986

■ 33.7931, 37.3257,
35.5608

■ 12.1103, 6.2495,
30.7053

■ 37.9528, 43.8868,
36.6080

■ 11.1478, 5.3199,
30.5766

■ 42.5110, 51.1621,
37.7720

■ 10.4075, 4.7010,
30.4961

■ 47.4789, 59.1728,
39.0564

■ 52.8671, 67.9394,
40.4645

■ 58.6860, 77.4813,
41.9996

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.2388, 17.7589, 38.2616



20.8955, 17.7589, 32.4635



22.5624, 17.7589, 23.7602

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



20.8955, 17.7589, 32.4635



18.3605, 17.7589, 8.0305



12.2160, 17.7589, 23.3833

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



20.8955, 17.7589, 32.4635



22.3055, 28.1086, 17.8864

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



12.2409, 17.7589, 15.4989



20.8955, 17.7589, 32.4635



15.5891, 17.7589, 7.9814

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



20.8955, 17.7589, 32.4635



20.9930, 17.7589, 10.4926



13.4138, 17.7589, 10.3326



13.3415, 17.7589, 32.1232

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



20.8955, 17.7589, 32.4635



22.7843, 17.7589, 18.1969



13.4138, 17.7589, 10.3326



12.0944, 17.7589, 20.5226

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



20.8961, 17.7596, 32.4639



48.5703, 48.3785, 60.7500



18.9041, 19.7843, 32.9597



10.5519, 10.4199, 13.3726



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.8961, 17.7596, 32.4639



34.4024, 27.4899, 57.4649



23.5985, 19.2039, 30.2802



6.2319, 6.2054, 7.7983



8.6395, 3.9048, 25.2061



0.1695, 0.0792, 0.3787

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



21.9296, 18.5364, 21.4916



36.6897, 29.1897, 34.0508



20.2317, 27.0055, 19.3259



6.3018, 6.2599, 6.9694



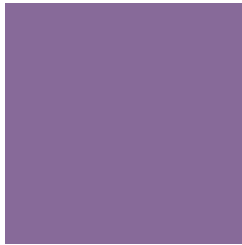
11.5165, 5.8608, 3.9791



0.1891, 0.0944, 0.1485

Previews

White Background



This preview shows how the XYZ color 20.8955, 17.7589, 32.4635 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 20.8955, 17.7589, 32.4635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.8955, 17.7589, 32.4635

Background



This preview shows how black text looks on a background with the XYZ color 20.8955, 17.7589, 32.4635.



This preview shows how white text looks on a background with the XYZ color 20.8955, 17.7589,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

20.8955, 17.7589, 32.4635

Protanopia

18.2995, 17.9719, 35.7621

Deuteranopia

18.1471, 17.8108, 31.7595



Tritanopia

18.4513, 17.7146, 20.5359

Trichromacy



Original Color

20.8955, 17.7589, 32.4635

Protanomaly

18.9502, 17.6675, 34.3097

Deuteranomaly

19.0694, 17.7773, 32.1321

Tritanomaly

19.3253, 17.7508, 24.5980

Monochromacy



Original Color

20.8955, 17.7589, 32.4635

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.7530, 18.2874, 24.3712

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8955, 17.7589, 32.4635 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(135, 106, 153)` looks like.

```
.text, #text, p{  
    color:rgb(135, 106, 153)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(135, 106, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 106, 153) }
```

Border

The CSS property to change the border of an element to XYZ 20.8955, 17.7589, 32.4635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 106, 153) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(135, 106, 153) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(135, 106, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 106, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 106, 153);  
box-shadow:4px 4px 4px 4px rgb(135, 106,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8955, 17.7589, 32.4635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 106, 153) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(135,  
106, 153) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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